

What is claimed is:

1. A process for preparing an elastomeric material comprising a step in which a polyurethane is reacted with a polydialkylsiloxane in presence of a solvent at  
5 a temperature below 100°C.
2. The process according to claim 1, in which said reaction is carried out in oxygen free atmosphere.
3. The process according to claim 2, in which said reaction is carried out in nitrogen atmosphere.
- 10 4. The process according to claim 1, in which said reaction is carried out for a period of 1 to 12 hours.
5. The process according to claim 1, in which polyurethane is chosen between polyether-urethane and polyester-urethane.
- 15 6. The process according to claim 1, in which polydialkylsiloxane is chosen among polydimethylsiloxanes.
7. The process according to claim 6, in which polydimethylsiloxane is a polydimethylsiloxane containing  
20 one to four terminal acetoxy groups.
8. The process according to claim 7, in which polydimethylsiloxane is a polydimethylsiloxane with four terminal acetoxy groups.
9. An elastomeric material obtained from a process  
25 according to claim 1.
10. A process for preparing an elastomeric vascular device or an elastomeric valve device comprising the step of producing said device with the elastomeric material as claimed in claim 9.
- 30 11. The process according to claim 10 wherein the device is a vascular duct or a cardio-vascular patch.
12. The process according to claim 10 wherein the device is a valve prosthesis or a sheet for a valve prosthesis.

13. A process for coating a stent or a vascular prosthesis or an abdominal net comprising the step of coating said stent, prosthesis or net with the elastomeric material as claimed in claim 9.

5 14. The process according to claim 13 wherein said stent is a metal stent.

15. The process according to claim 13 wherein said vascular prosthesis is made of polyester.

10 16. The process according to claim 13 wherein said abdominal net is made of polypropylene.